

Type	Parametric	Non parametric
not paired	mean comparison: t test (equivalent to ANOVA with 1 factor; strongly connected to linear models): X is Gaussian and variances between groups are equal OR Welsh test (same test but with unequal variances between groups)	often described as median comparison: Wilcoxon test (or Mann Whitney test) based on ranks
paired	mean comparison: t test	often described as median comparison: Wilcoxon test